

04CO
03-13-01

OIPE

#2

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/729,674

DATE: 03/13/2001
TIME: 16:09:09

Input Set : N:\paola\09729674.txt
Output Set: N:\CRF3\03132001\I729674.raw

PS

ENTERED

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3 <110> APPLICANT: Jacobs, Kenneth
4   McCoy, John M.
5   LaVallie, Edward R.
6   Collins-Racie, Lisa A.
7   Evans, Cheryl
8   Merberg, David
9   Treacy, Maurice
10  Agostino, Michael J.
11  Steininger II, Robert J.
12  Spaulding, Vikki
13  Wong, Gordon G.
14  Clark, Hilary
15  Fechtel, Kim
16  Genetics Institute, Inc.
18 <120> TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
20 <130> FILE REFERENCE: 6055-64X
22 <140> CURRENT APPLICATION NUMBER: 09/729,674
23 <141> CURRENT FILING DATE: 2000-12-04
25 <150> PRIOR APPLICATION NUMBER: 09/539,330
26 <151> PRIOR FILING DATE: 2000-03-30
29 <160> NUMBER OF SEQ ID NOS: 283
31 <170> SOFTWARE: PatentIn Ver. 2.0
33 <210> SEQ ID NO: 1
34 <211> LENGTH: 3871
35 <212> TYPE: DNA
36 <213> ORGANISM: Homo sapiens
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41 cgtgctgctc cgggcgcgcg caatacgaac gctacagctt ccgcagcttc ccacgggacg 180
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105 <210> SEQ ID NO: 2
106 <211> LENGTH: 401
107 <212> TYPE: PRT
108 <213> ORGANISM: Homo sapiens

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112 <222> LOCATION: (64)
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121 Phe Arg Ser Phe Pro Arg Asp Glu Leu Met Pro Leu Glu Ser Ala Tyr
122           35           40           45
W--> 124 Arg His Ala Leu Asp Lys Tyr Ser Gly Glu His Trp Ala Glu Ser Xaa
125           50           55           60
127 Gly Tyr Leu Glu Ile Ser Leu Arg Leu His Arg Leu Leu Arg Asp Ser
128   65           70           75           80
130 Glu Ala Phe Cys His Arg Asn Cys Ser Ala Ala Pro Gln Pro Glu Pro
131           85           90           95
133 Ala Ala Gly Leu Ala Ser Tyr Pro Glu Leu Arg Leu Phe Gly Gly Leu
134           100          105          110
136 Leu Arg Arg Ala His Cys Leu Lys Arg Cys Lys Gln Gly Leu Pro Ala
137           115          120          125
139 Phe Arg Gln Ser Gln Pro Ser Arg Glu Val Leu Ala Asp Phe Gln Arg
140           130          135          140
142 Arg Glu Pro Tyr Lys Phe Leu Gln Phe Ala Tyr Phe Lys Ala Asn Asn
143 145           150          155          160
145 Leu Pro Lys Ala Ile Ala Ala Ala His Thr Phe Leu Leu Lys His Pro
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148 Asp Asp Glu Met Met Lys Arg Asn Met Ala Tyr Tyr Lys Ser Leu Pro
149           180          185          190
151 Gly Ala Glu Asp Tyr Ile Lys Asp Leu Glu Thr Lys Ser Tyr Glu Ser
152           195          200          205
154 Leu Phe Ile Arg Ala Val Arg Ala Tyr Asn Gly Glu Asn Trp Arg Thr
155           210          215          220
157 Ser Ile Thr Asp Met Glu Leu Ala Leu Pro Asp Phe Phe Lys Ala Phe
158 225           230          235          240
160 Tyr Glu Cys Leu Ala Ala Cys Glu Gly Ser Arg Glu Ile Lys Asp Phe
161           245          250          255
163 Lys Asp Phe Tyr Leu Ser Ile Ala Asp His Tyr Val Glu Val Leu Glu
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166 Cys Lys Ile Gln Cys Glu Glu Asn Leu Thr Pro Val Ile Gly Gly Tyr
167           275          280          285
169 Pro Val Glu Lys Phe Val Ala Thr Met Tyr His Tyr Leu Gln Phe Ala
170           290          295          300
172 Tyr Tyr Lys Leu Asn Asp Leu Lys Asn Ala Ala Pro Cys Ala Val Ser
173 305           310          315          320
175 Tyr Leu Leu Phe Asp Gln Asn Asp Lys Val Met Gln Gln Asn Leu Val
176           325          330          335
178 Tyr Tyr Gln Tyr His Arg Asp Thr Trp Gly Leu Ser Asp Glu His Phe
179           340          345          350
181 Gln Pro Arg Pro Glu Ala Val Gln Phe Phe Asn Val Thr Thr Leu Gln

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182          355          360          365
184 Lys Glu Leu Tyr Asp Phe Ala Lys Glu Asn Ile Met Asp Asp Asp Glu
185          370          375          380
187 Gly Glu Val Val Glu Tyr Val Asp Asp Leu Leu Glu Leu Glu Glu Thr
188 385          390          395          400
190 Ser
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195 <211> LENGTH: 3637
196 <212> TYPE: DNA
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203 <400> SEQUENCE: 3
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206 cttagatctt attcatcagc ctgctgaaca gttccttttt cagagacata gataccatcc 180
207 aaaaatttcc tgatatcctt gtttttaact gttgtggctt gctgaatcaa agccgctgaa 240
208 tttgaaacaa gctcaatgtc atccccgatt agtaccagct cccactgcc ctgagggcgg 300
209 gccggcctgc ggcgaggga aaaaggaaga ggagaaggaa attgtcccga atccctgcag 360
210 tctttctgta ggttgcgga caacgccagg caaaagaaga ggaaggaatt taatcctaatt 420
211 cgggtggaggt cgatttgagg gtctgctgta gcaggtggct ccgcttgaag cgagggagga 480
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216 gggctacgcc aggaaagtag gctgggtgac cgcaggcctg gtgattgggg ctggcgctg 780
217 ctattgcatt tatagactga ctaggggaag aaaacagaac aaggaaaaaa tggctgaggg 840
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233 agtgtgtgct gataagggtc tgggaataga aagtcacatc gatttttttg tgaaagtaaa 1800
234 agttggaaaa ttcatggcca aacttgctga acatatgttc ccaaagagcc aggaataaca 1860
235 ccttgatttt gtaatttaga agcaacacac attgtaaact attcattttc tccaccttgt 1920
236 ttatatggta aaggaaatcct ttcagctgac agttttgaat aatgaatata atattgtatc 1980
237 atcaatgctg atatttaact gagttgtctt ttaggtttaa gatggataaa tgaatatcac 2040
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243 ctctgagagc acagaggagg caaaagcttc tgtgggatgt gctagtcggc taaagcttca 2400
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269 <213> ORGANISM: Homo sapiens
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279 35 40 45
281 Ala Gly Asp Cys Ser Gly Ala Arg Tyr Asn Asp Trp Ser Asp Asp Asp
282 50 55 60
284 Asp Asp Ser Asn Glu Ser Lys Ser Ile Val Trp Tyr Pro Pro Trp Ala
285 65 70 75 80
287 Arg Ile Gly Thr Glu Ala Gly Thr Arg Thr Arg Ala Arg Ala Arg Ala
288 85 90 95
290 Arg Ala Thr Arg Ala Arg Leu Ala Val Gln Lys Arg Ala Ser Pro Asn
291 100 105 110
293 Ser Asp Asp Thr Val Leu Ser Pro Gln Glu Leu Gln Lys Val Leu Cys
294 115 120 125
296 Leu Val Glu Met Ser Glu Lys Pro Tyr Ile Leu Glu Ala Ala Leu Ile
297 130 135 140

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FI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/729,674

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Input Set : N:\paola\09729674.txt
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L:124 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:124 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
L:230 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:230 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3
L:716 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:716 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:14
L:752 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
M:340 Repeated in SeqNo=14
L:755 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:761 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:1111 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23
L:1111 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:23
L:2443 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:57
L:2443 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:57
L:2517 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:60
L:2517 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:60
L:2520 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:60
M:340 Repeated in SeqNo=60
L:2749 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:68
L:2749 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:68
L:2752 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:68
M:340 Repeated in SeqNo=68
L:3875 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:96
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L:3878 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:96
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L:3922 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:97
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L:4043 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:99
L:4043 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:99
L:4142 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:100
L:4142 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:100
L:4148 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:100
M:340 Repeated in SeqNo=100
L:4151 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:100
L:4154 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:100
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L:4208 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:100
L:4293 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:102
L:4293 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:102
L:4296 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:102
M:340 Repeated in SeqNo=102
L:4340 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:104
L:4340 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:104
L:4698 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:113
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L:4796 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:115

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Output Set: N:\CRF3\03132001\I729674.raw

L:4796 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:115
L:5069 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:124
L:5069 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:124
L:5141 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:126
L:5141 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:126
L:5379 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:130
L:5379 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:130
L:5436 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:130
M:340 Repeated in SeqNo=130
L:5833 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:139
L:5833 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:139
L:5952 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:140
L:5952 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:140
L:6278 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:146
L:6278 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:146
L:6681 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:155
L:6681 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:155
L:6703 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:155
M:340 Repeated in SeqNo=155
L:6843 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:158
L:6843 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:158
L:7149 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:164
L:7149 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:164
L:7158 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:164
M:340 Repeated in SeqNo=164
L:7266 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:165
L:7266 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:165
L:7268 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:165
M:340 Repeated in SeqNo=165
L:7806 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:175
L:7806 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:175
L:7849 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:176
L:7849 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:176
L:7933 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:176
M:340 Repeated in SeqNo=176
L:8035 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:177
L:8035 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:177
L:8304 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:184
L:8304 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:184
L:8448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187
L:8464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188
L:8480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189
L:8496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:8512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:8528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:192
L:8544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193
L:8560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194
L:8598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197
L:8663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/729,674

DATE: 03/13/2001
TIME: 16:09:10

Input Set : N:\paola\09729674.txt
Output Set: N:\CRF3\03132001\I729674.raw

L:8679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200
L:8695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201
L:8711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
L:8727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203
L:8743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:8759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:8775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:8791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207
L:8818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209
L:8834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210
L:8850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:211
L:8888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214
L:8904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215
L:8920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216
L:8936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217
L:8952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218
L:8968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:219
L:8984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220
L:9000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:221
L:9016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222
L:9032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223
L:9048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:224
L:9064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:225
L:9080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:226
L:9096 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:227
L:9112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228
L:9128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:229
L:9144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:230
L:9160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:231
L:9176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:232
L:9192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233
L:9208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234
L:9246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237
L:9262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:238
L:9278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239
L:9294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:240
L:9310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:241
L:9326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:242
L:9342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:243
L:9369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245
L:9844 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:275
L:9844 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:275